

# A Latte: CRT

A Look At The Test Exercise  
Specifically The  
Criterion Reference Test

**OPI**

Montana Office of Public  
Instruction, January  
2005



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## Brief Overview of the CRT

- The test consists of common (scored) and embedded field test items.
  - Sixteen forms per grade provided a large pool of field test items
  - Field test items become common items in future tests
- Only common items are used for scoring.

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## Types of Items on the CRT

- Multiple Choice—Reading and Mathematics
- Short answer—Only Mathematics
- Constructed Response (called open response in iAnalyze)—Reading and Mathematics

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Types of Items on the CRT:  
10<sup>th</sup> Grade Multiple Choice Reading Example:

Refer to your handout for the poem, "Rough Country" to answer the question:

#25: In line 13, what is "twisting through the thorn-thick underbrush?"

- A. Pine trees
- B. Sharp inclines
- C. A Person
- D. A waterfall

Statewide the average correct was 34%.  
This question measured MT Reading Standard #5.  
The correct answer is C.

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Types of Items on the CRT  
8<sup>th</sup> Grade Mathematics Short Answer Example:

67. Divide  
 $4302 \div 6 =$

This problem measured Mathematics  
Standard 2.  
The statewide average was .4%

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Types of Items on the CRT  
4<sup>th</sup> Grade Reading Constructed Response Sample

Refer to the handout and read the story, *The Top of the Tree* by Sally Lyons.

Write your answer to question 22 in the space provided for it in your Student Response Booklet.

22. Someday Courtney will own the ranch. Tell if you think Courtney will keep the ranch or if she will sell it. Give at least THREE details from the story to explain your answer.

Statewide the average was 1.8 on a 4.0 Scale.  
This question measured MT Reading Standard #1.

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### Types of Items on the CRT 4<sup>th</sup> Grade Mathematics Constructed Response Sample

Write your answer to question 68 in the space provided for it in your Student Response booklet. Show all of your work.

- #68. Toby and Jasmine are making cookies for a bake sale. They are going to put 12 cookies on each pan and bake 8 full pans of cookies.
- How many cookies will Toby and Jasmine bake. Show or explain how you know.
  - Toby and Jasmine plan on putting 3 cookies in each bag to sell. How many bags will they need for all of their cookies? Show or explain how you know.
  - They are going to sell the bags of cookies of \$.25 each. How much money will Toby and Jasmine make if they sell all of the bags of cookies? Show or explain how you know.

Statewide the average was 2.0 on a 4.0 Scale.  
This question measured MT Math Standard #2.

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### CRT- Alternate Assessment Designed for SOME Students With An IEP or 504

- Developed using Montana Reading and Mathematics standards and expanded benchmarks
- Expanded benchmarks were used to develop the assessment performance indicators
- Age-appropriate activity
- Scored using a four point rubric by the teacher administering the activity
- CRT-Alternate released items (performance indicators) and correlating standards online at:  
[www.opi.state.mt.us](http://www.opi.state.mt.us) or [www.measuredprogress.org](http://www.measuredprogress.org)

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### CRT- Alternate Assessment Designed for SOME Students With An IEP or 504

- The CRT-Alternate Assessment is for severely, cognitively disabled students.
- For the specific guidelines, go to:

<http://www.opi.state.mt.us/PDF/SpecED/CRTAltAssess.pdf>

There are 4 criteria that must be met in order for a student to take the CRT-Alternate Assessment.

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## We Have The CRT Data: Now What?

- You can look at the data with a focused lens (student data) or with a wide band (system or school)



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## Just remember

- It is hard to tell what we are looking at if we are too close...



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## We need to see the forest AND the trees



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## Using The CRT Results

- Data analysis
  - Evaluating data to identify strengths and needs in curriculum, instruction, and student achievement
  - **What do these data mean?**
  - **What is the relevance of these data within the context of curriculum, instruction, and student achievement?**

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## Identifying Strengths & Needs With the CRT Results

- Display the data to maximize communication with students, parents, educators, and community
- Look for patterns or clusters in the data that indicate strengths and needs

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## Identifying Strengths & Needs With the CRT Results

Examine:

- Items
- Possible answers
- Items and answers within a standard
- Item statistics
- MT content standard statistics
- Subgroup statistics

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## CRT Released Items

- Common items are released annually and can be accessed at the OPI Assessment website:
  - [www.opi.state.mt.us](http://www.opi.state.mt.us)  
Assessment (Mont/CAS)  
Criterion Reference Test
  - Or Try:
    - [www.opi.state.mt.us/assessment/crt](http://www.opi.state.mt.us/assessment/crt)
  - Click on this link to access:
    - Answer keys, scoring rubrics, and examples of student work at each score point

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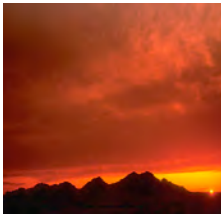
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## MontCAS, Phase 2



Guide to Interpreting  
the 2004 Criterion  
Referenced Test  
and CRT-Alternate  
Assessment Reports

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## Your New BEST Friend Is...

MontCAS, Phase 2

Guide to Interpreting  
the 2004 Criterion  
Referenced Test and  
CRT-Alternate  
Assessment Reports



Make it Work  
for YOU!

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## CRT: Roster and Item-Level Report Reading and Math

For an Example,  
See page 6 and 13 in the

MontCAS, Phase 2  
Guide to Interpreting the 2004  
Criterion Referenced Test and  
CRT-Alternate Assessment  
Reports

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## CRT: Roster and Item-Level Report Reading and Math

➤ Provides the following information:

- Item Number
- Montana Content Standard
- Correct Response
- Class Average (Grade Level)
- School Average
- System (District) Average
- State Average

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## Roster and Item-Level Report Reading and Math

• Provides the following child information:

- Child's name
- Child's response/answer to each question
- Child's scaled score
- Child's Performance Level

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## MontCAS, Phase 2 School Summary Report

- Provides the following information for Reading and Math CRT:
  - Student Performance Level
  - Distribution of Student Performance Level scores as a Number and % of students
  - Distribution of Student Performance Level scores compared to school, system (district) and state scores
- Subtest Results
  - Includes standards and total points

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## MontCAS, Phase 2 School Summary Report

For an Example,  
See page 8 and 9 in the

MontCAS, Phase 2  
Guide to Interpreting the 2004  
Criterion Referenced Test and  
CRT-Alternate Assessment Reports

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How Will You Use The  
MontCAS, Phase 2  
Guide to Interpreting the 2004 Criterion-  
Referenced Test and CRT-Alternate  
Assessment Reports



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